

ABSTRACT OF THE DISCLOSURE

A method for depositing a nanostructure-containing material onto an object or substrate includes one or more of the following: (1) forming a solution or
5 suspension of nanostructure-containing material, (2) selectively adding "chargers" to the solution, (3) immersing electrodes in the solution, the substrate or object upon which the nanostructure material is to be deposited acting as one of the electrodes, (4) applying a direct and/or alternating current electrical field between the two electrodes for a certain period of time thereby causing the nanostructure materials in
10 the solution to migrate toward and attach themselves to the substrate electrode, and (5) subsequent optional processing of the coated substrate. Associated objects and devices are also provided. A method for separating nanostructures based on their properties and/or geometry is also described.